



May 26, 2016

The Sampler is a monthly e-newsletter produced by the Volunteer Lake Assessment Program.

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## **Web Highlights**

This month's featured lake website is [Suncook Lakes Association](#), Barnstead/Alton, NH

[N.H. and The Acid Rain Connection](#)

[Potential New Threat to Loons has Wildlife Biologists Worried](#)

[Mercury in Fish Affected by Both Prey Type and Quality](#)

[Acidification, Low Oxygen Put Fish in Double Jeopardy](#)

## **Upcoming Events**

[Weed Watching on Squam](#)  
Multiple Dates

[2016 Lakes Congress](#)  
June 2-3, 2016  
Church Landing at Mills Falls  
Meredith, NH 03253

[VT Annual Lake Seminar](#)  
Friday, June 3, 2016  
Education Center at Kehoe,  
Lake Bomoseen  
636 Point of Pines Rd.  
Castleton, VT 05735

[Changing Climate, Changing](#)

## **Meet the VLAP and Satellite Laboratory Interns!**

### **Carina Pearson**

Hello! My name is Carina Pearson and I am so happy to be back for a second summer with Sara Steiner and the Volunteer Lake Assessment Program at the NH Department of Environmental Services! I had such a great experience last summer with VLAP and met many friendly volunteers I couldn't wait to come back! I will be a senior at Saint Anselm College in Manchester, N.H. in the fall and I am pursuing a Bachelor's Degree in Environmental Science.



I am passionate about the environment and I enjoy spending my time outdoors. On the weekends I love to go to my family's house on Newfound Lake to swim, boat, kayak and waterski. I also enjoy taking walks by the ocean, biking, hiking, kickboxing and cooking. I will be taking two summer courses as well in order to graduate in December of this year! I hope to read more in my spare time and take up scrapbooking. I love all kinds of fruit and I am currently addicted to Panera Bread's macaroni and cheese. I can't wait to get to know even more volunteers this summer. Happy sampling!

### **Brooke Dejadon**

My name is Brooke Dejadon and I am currently a senior at the University of New Hampshire. I am majoring in Wildlife and Conservation Biology. I applied for an internship with DES primarily

### Forests

Wednesday, June 22, 2016  
4:30 p.m.  
PSU Center for the  
Environment  
Samuel Read Hall Building  
17 High St.  
Plymouth, NH 03264

### 39th Annual Loon Festival

Saturday, July 26, 2016  
10:00 a.m. - 2:00 p.m.  
Loon Preservation Committee  
183 Lees Mills Rd.  
Moultonborough, NH 03254

### Protecting Shorelands to Preserve Water Quality

Tuesday, July 26, 2016  
7:00 - 8:30 p.m.

and

### Underwater Layering of Lake Sunapee and Other NH Lakes

Thursday, July 28, 2016  
7:00 - 8:30 p.m.  
LSPA's Learning Center  
63 Main St.  
Sunapee, NH 03782

## Grants

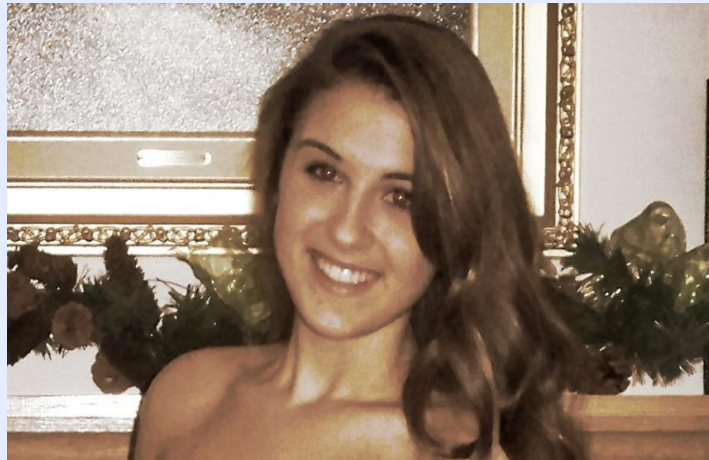
### Upper CT River Mitigation and Enhancement Fund

NH Charitable Foundation  
Deadline: January 6, 2017

### New England Grassroots Environment Fund

Seed Grants  
No deadline  
Grow Grants  
Deadline: September 15,  
2016

because I wanted to make a difference even in the smallest way possible. I knew that by collecting water samples and testing them for various parameters, I would be able to inform the public about what is in their lake water. I also wanted to gain field and lab experience, and I knew the VLAP program would offer me this great opportunity.



Some of my hobbies include playing with my yellow lab, Krystle, watching movies, reading, exercising, and just hanging out with good friends. I am extremely passionate about animals and the environment, and I hope to one day make great strides in the field of wildlife conservation!

## **Lake Sunapee Protective Association and Colby Sawyer Laboratory Interns**

### **Alexandra Cahill**

Alex is completing her sophomore year at the University of Vermont. She is a candidate for a BS in Environmental Studies. She has had a variety of employment experiences in the Sunapee area and has completed a course that included water testing for Lake Champlain. Her major has a focus in law, policy and food systems, but she feels that she needs "...a strong understanding of the research conducted in the environmental field before feeling able to make an adequate decision..." for policies and laws. An admirable goal!

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## **Limno Lingo**

**Viscosity:** The measure of resistance of a substance to flow. For example, water is less viscous and flows more freely than olive oil. The viscosity of water is dependent upon temperature, and water is more viscous, and more dense, with decreasing temperatures. The viscosity of water doubles from 25 to 0 degrees C. This causes

mobile planktonic organisms, such as algae and zooplankton, to exert more effort to move through water at lower temperatures. The sedimentation rate of particles can also be affected by the viscosity and density of water, with sedimentation rates decreasing with increasing viscosity.



**Kristy Sullivan**

Kristy graduated from Sunapee High School and is completing her sophomore year at Wheaton College with a Biology major and a minor in Chemistry. She has also had a variety of local employment experiences and she has been a laboratory teaching assistant for Biology. Her goal is to be a microbiologist working in the field of bioremediation. She is eager to experience field and laboratory work that will help her expand her understanding of healthy aquatic ecosystems as a base for her work in bioremediation. Another admirable goal!



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